

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

DAHIYAT *et al.*

Serial No. 10/666,311

Filed: September 18, 2003

For: *Protein Design Automation for
Protein Libraries*

Examiner: BORIN, Michael L.

Art Unit: 1631

Conf. No.: 8679

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying substitute for form PTO-1449. Copies of the references are enclosed.

None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A1, B3, C3 and C4 listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated March 31, 2006, for a counterpart European Patent Application, EP 04015169. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A1 and B4, listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated March 14, 2006, for a counterpart European Patent Application, EP 04016539. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A1 listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated February 28, 2006, for a counterpart European Patent Application, EP 04016943. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A1 and A2 listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated February 27, 2006, for a counterpart European Patent Application, EP 04015782.

A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A2, B3, B5, and B6, listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated February 17, 2006, for a counterpart European Patent Application, EP 02763433. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references B1, B2, B7, B8, B9, C1, and C2, listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated February 17, 2006, for a counterpart European Patent Application, EP 04015112. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and as required by M.P.E.P. § 2001.06(b), Applicant notes that the present application is related to the following pending patent applications:

1. U.S.S.N. 09/782,004, filed February 12, 2001;
2. U.S.S.N. 10/101,499, filed March 18, 2002;
3. U.S.S.N. 10/218,102, filed August 12, 2002;
4. U.S.S.N. 09/927,790, filed August 10, 2001; and
5. U.S.S.N. 10/665,307; filed September 18, 2003

The Commissioner is authorized to charge the fee to 37 C.F.R. §1.97(c), for \$180.00 as set forth in 37 C.F.R. §1.17(p) to Deposit Account No. 50-0310, and the Commissioner is further authorized to charge any additional fees which may be required,

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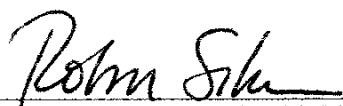
Dated: February 23, 2007

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Substitute for form 1449/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/666,311	
			Filing Date	September 18, 2003	
			First Named Inventor	Dahiyat et al.	
			Art Unit	1631	
Examiner Name	Borin, Michael L.				
Sheet	1	of	2	Attorney Docket Number	Docket 67299-12 463077-244

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-2002-0048772	04-25-2002	Dahiyat et al.	
	A2	US-2002-0090648	07-11-2002	Dahiyat et al.	
	A3	US-2003-0049654	03-13-2003	Dahiyat et al.	
	A4	US-2004-0043429 A1	03-04-2004	Dahiyat et al.	
	A5 ↑	US-5436850	07-25-1995	Eisenberg et al.	
	A6	US-6269312	07-31-2001	Mayo et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B1 ↑	EP 0549107 A	06-30-1993	Syntex Inc.		
	B2 ↑	WO 00/40715 A	07-13-2000	Trustees of Boston University		
	B3 ↑	WO 01/37147 A	05-25-2001	Algonomics NV		
	B4 ↑	WO 01/39098 A	05-31-2001	Yissum Research Development Company of the Hebrew		
	B5 ↑	WO 01/61344 A	08-23-2001	California Institute of Technology		
	B6 ↑	WO 03/006154 A	01-23-2003	Xencor, Inc.		
	B7 ↑	WO 94/16090 A	07-21-2004	Molecular Tool, Inc.		
	B8 ↑	WO 98/05765 A	02-12-1998	Novo Nordisk A/S		
	B9 ↑	WO 98/32845 A	07-30-1998	Bionvent International AB		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
	C1 ↑	Cojee et al. "Seamless gene engineering using RNA- and DNA- overhang cloning" <i>Nature Biotechnology</i> , vol. 18, (2000) pps. 1087-0156		
	C2 ↑	Gal J. et al. "Directional Cloning of Native PCR Products with Performed Sticky Ends" <i>Mol. Gen. Genet.</i> Vol. 260, no. 6, (1999), pps. 569-573		
	C3	Koehl P. et al., "De novo protein design I. in search of stability and specificity" <i>J. Mol. Biol.</i> , vol. 293, no. 5, (1999) pps. 1161-1181		
	C4 ↑	Wernisch L. et al. "Automatic protein design with all atom force-fields by exact and heuristic optimization" <i>J. Mol. Biol.</i> Vol. 301, no. 3, (2000), pps. 713-736		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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